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DIALOG(R)File 351:Derwent WPI
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Monoclonal antibodies against human alpha interferon prodn. - by fusing
spleen cells from immunised mice with myeloma cells, selection, determine
specificity then growing in vitro or in vivo

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Patent Family:

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DD 254593	A	19880302	DD 297612	A	19861215	198830 B

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Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
DD 254593	A	3		

Abstract (Basic): DD 254593 A

Prod. of monoclonal antibodies (MAb) against human alpha
interferon (I) comprises immunising BALB/c mice with (I), fusing spleen
cells with myeloma cells; selection of the resulting hybridomas and
detecting their antigen determinant specificity by a solid-phase
bioassay. The selected hybridoma clones, H/B61D3 and H/C61D2, are then
cultured or transplanted in mice, pref. BALB/c x NMRI or NMRI x BALB/c
hybrids, and MAb isolated either from the culture supernatant or from
the ascites fluid.

USE/ADVANTAGE - MAb are used in immunochemical determn. of (I) and
for affinity-chromatographic purificn. This method gives a high yield
of hybridomas and makes possible rapid and reliable recovery of stable
hybrid clones, which saves expensive cell culture media. Both (I)
subtypes are recognised by MAb so that immunoassay procedures require
labelling of only one antibody.

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Derwent Class: B04; D16

International Patent Class (Additional): C12N-005/02